

FIG. 1

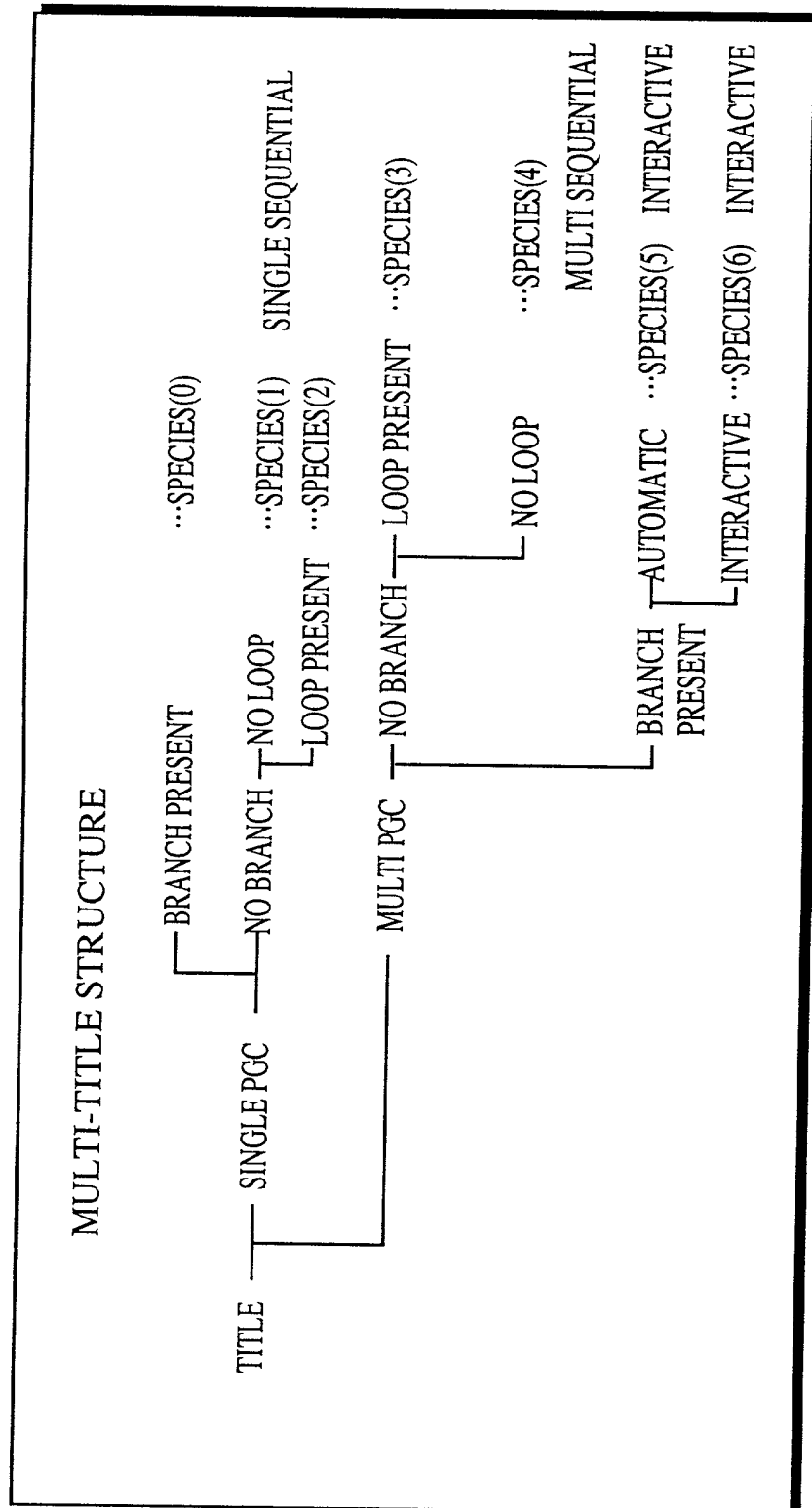


FIG. 2A

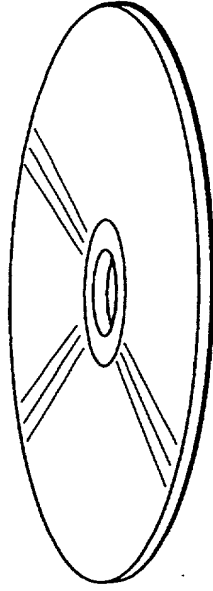


FIG. 2B

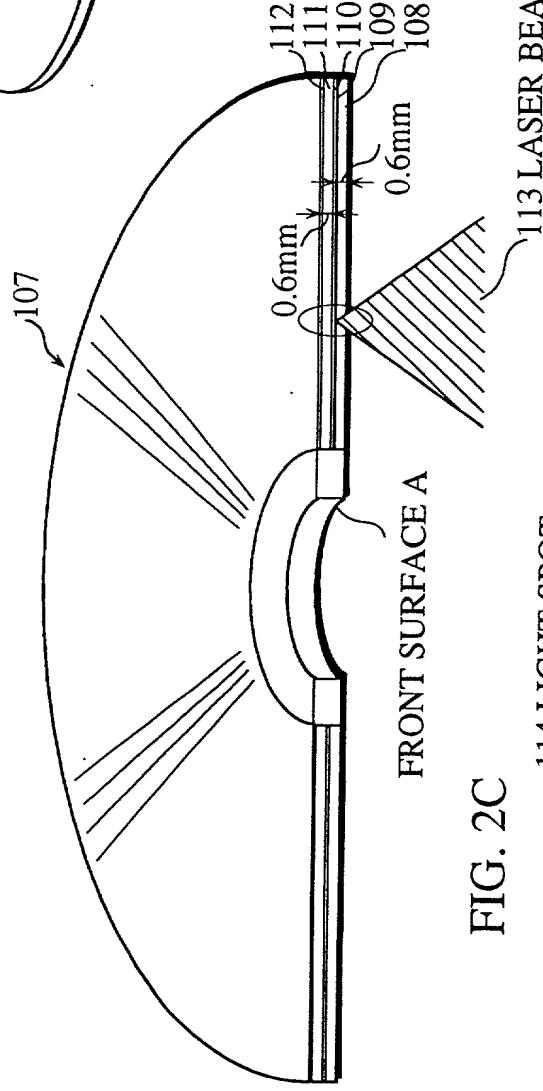


FIG. 2D

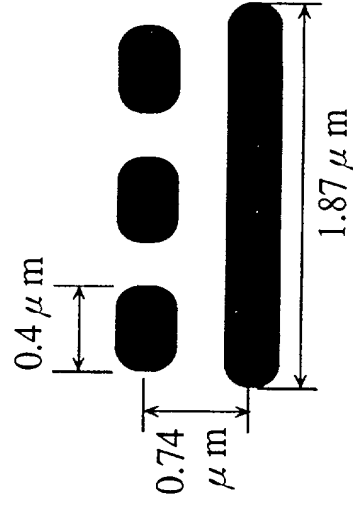


FIG. 2C

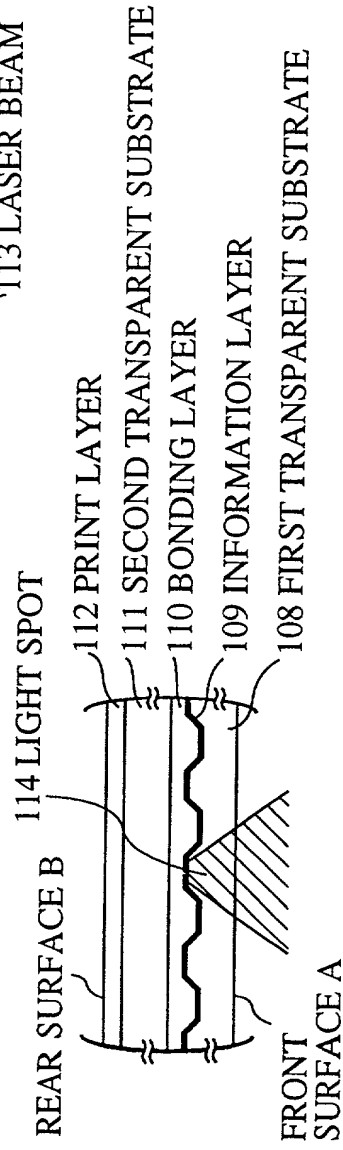


FIG. 3A

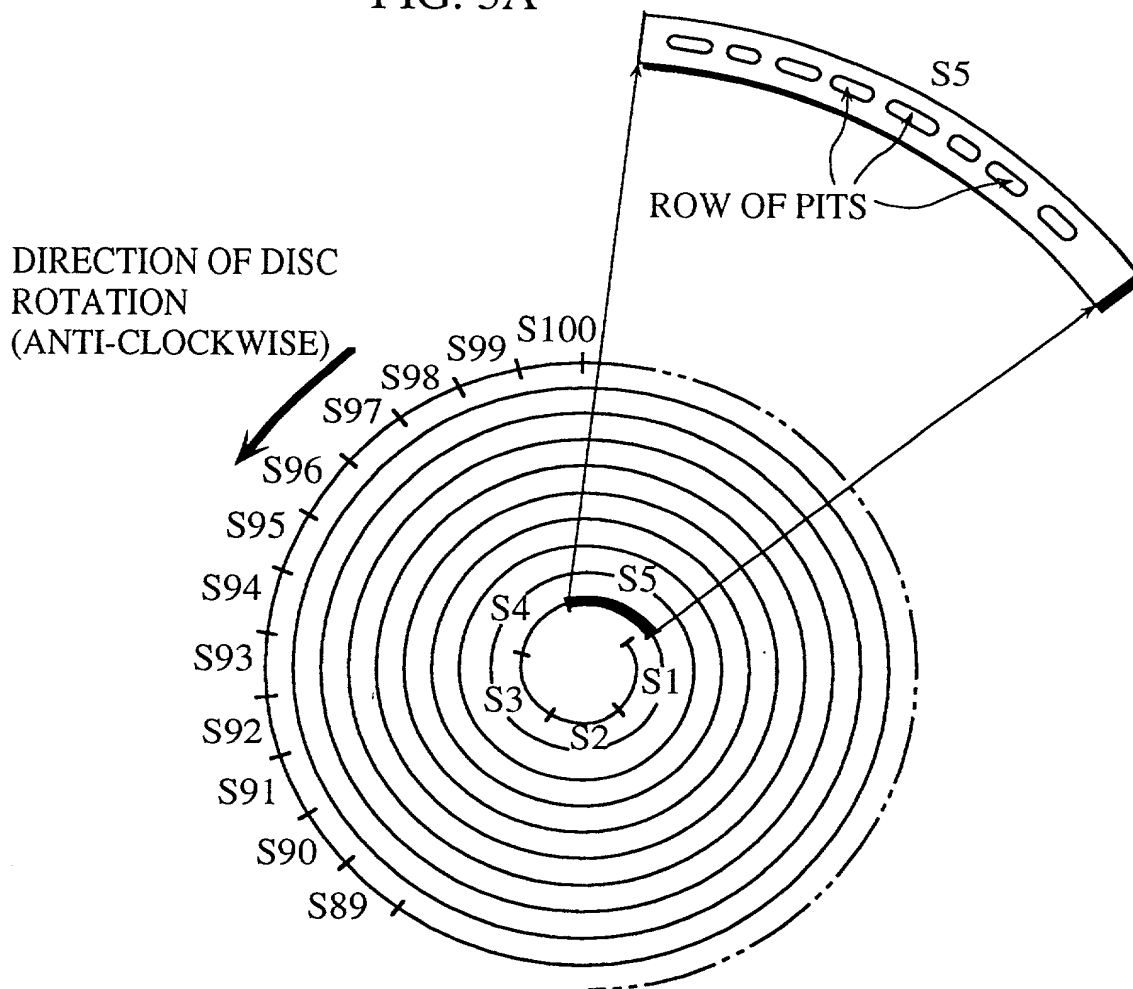


FIG. 3B

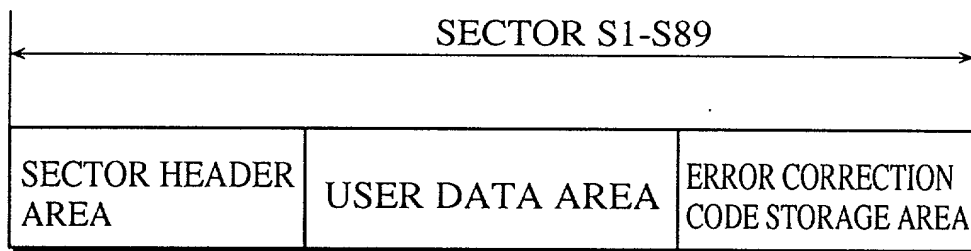


FIG. 4A

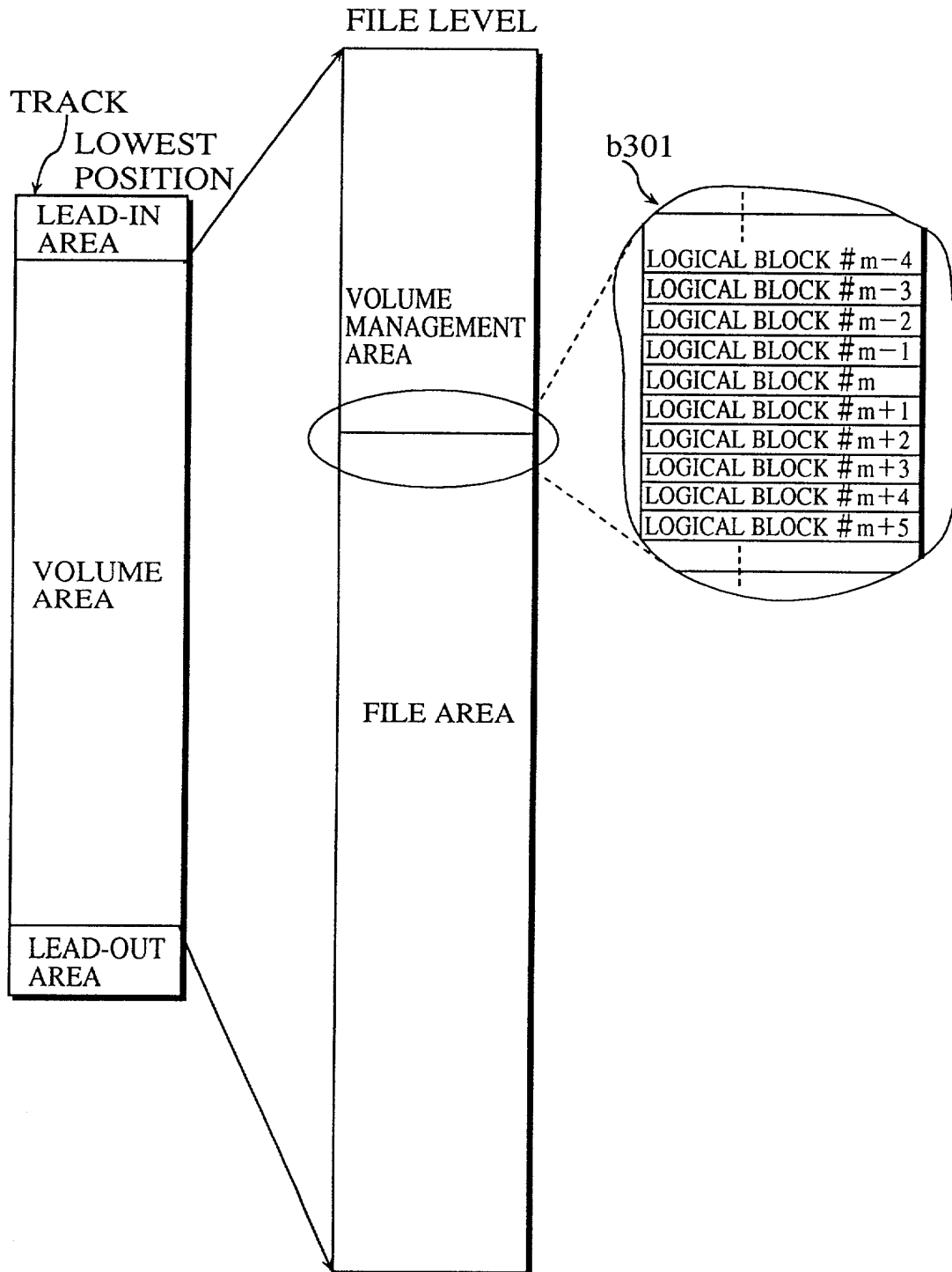


FIG. 4B

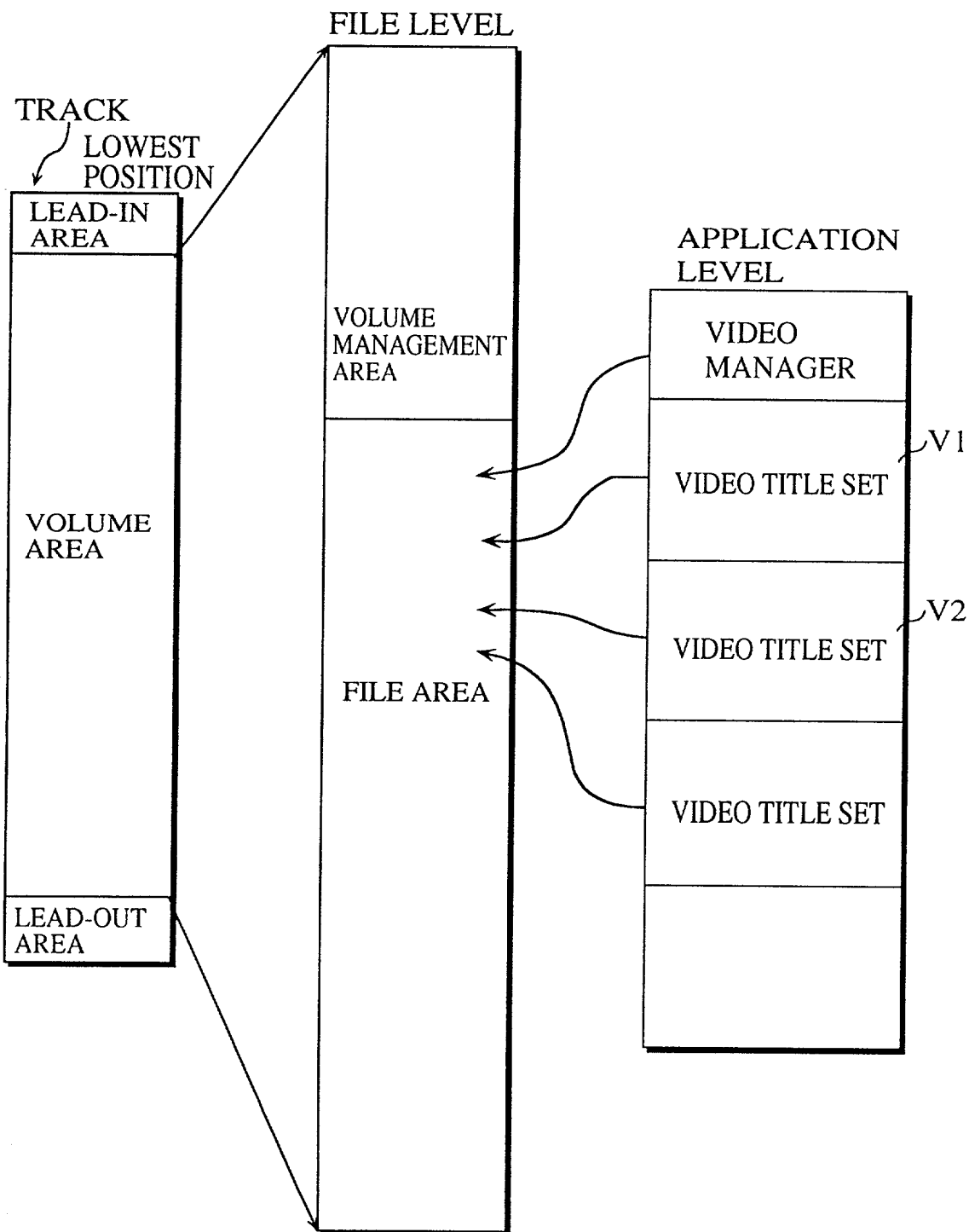


FIG. 5A

VIDEO TITLE SET V1

| VIDEO TITLE SET MANAGEMENT INFORMATION | |
|---|--------------------------|
| VOB # 1(10min.) | GROUP OF VIDEO MATERIALS |
| OPENING SCENE WITH SCROLLING CREDITS SHOWING DIRECTOR, PRODUCER, STUDIO NAME, AND CAST | |
| VOB # 2(50sec.) | |
| SCENE WITH MAIN CHARACTER WALKING AROUND DOUTOMBORI AREA | |
| VOB # 3(8min.) | |
| SCENE WHERE MAIN CHARACTER PASSES BY A SUSPICIOUS CHARACTER | |
| VOB # 4(48sec.) | |
| SCENE SHOWING MEETING AT HEAD OFFICE OF TRADING COMPANY A | |
| VOB # 5(13min.) | GROUP OF VIDEO MATERIALS |
| SCENE SHOWING TOP SECRET PROJECT OF TRADING COMPANY A | |
| VOB # 6(45sec.) | |
| SCENE SHOWING EMPLOYEE B CHUCKLING AFTER HEARING CONTENT OF THE TOP SECRET PROJECT | |
| VOB # 7(16min.) | GROUP OF VIDEO MATERIALS |
| SCENE AT THE FRONT GATE OF THE FACTORY OF CAR MANUFACTURER C | |
| VOB # 8(59sec.) | GROUP OF VIDEO MATERIALS |
| SCENE WHERE THE NEW CAR AT THE CENTER OF THE TOP SECRET PROJECT IS REVEALED IN ITS ENTIRETY | |

FIG. 6

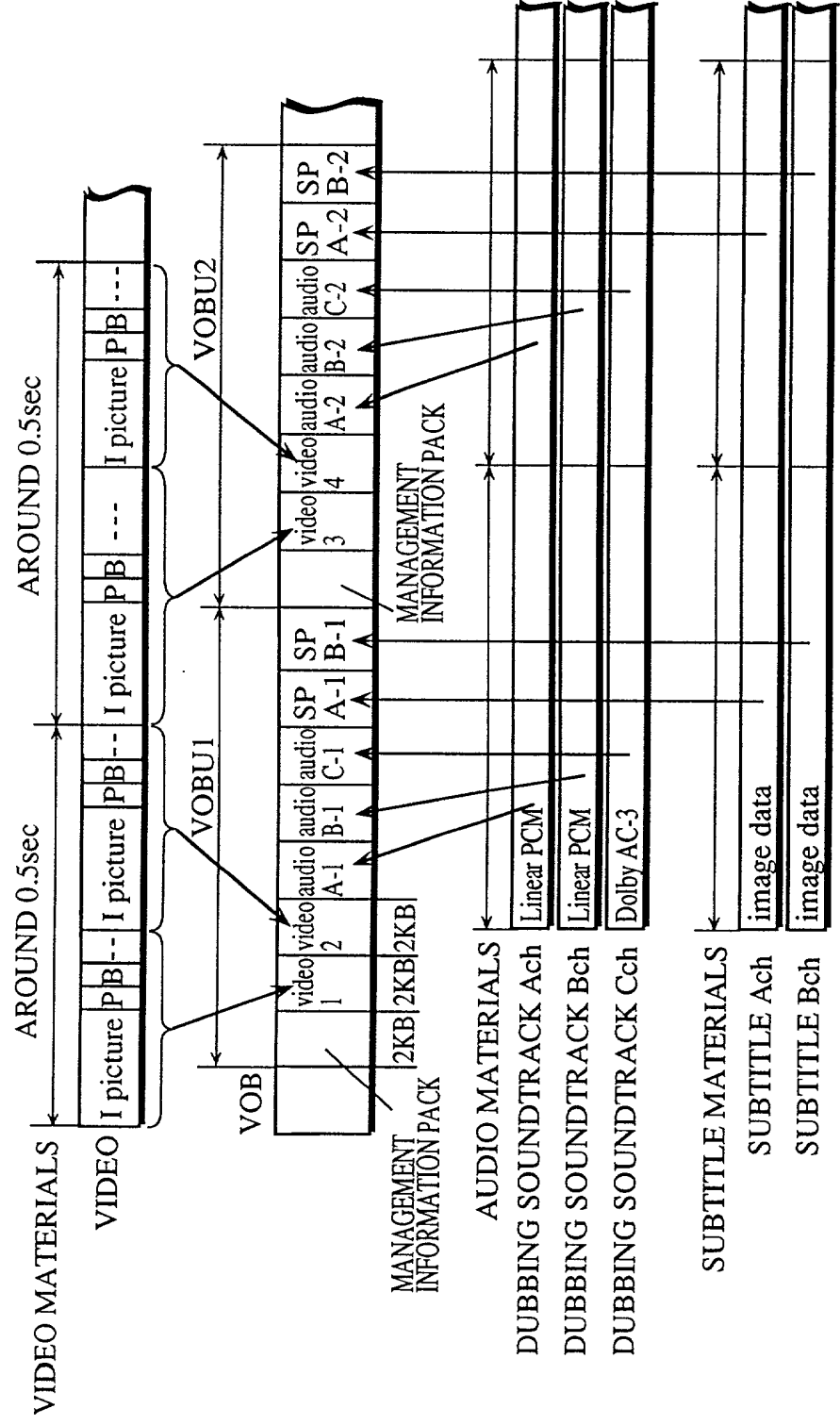


FIG. 7

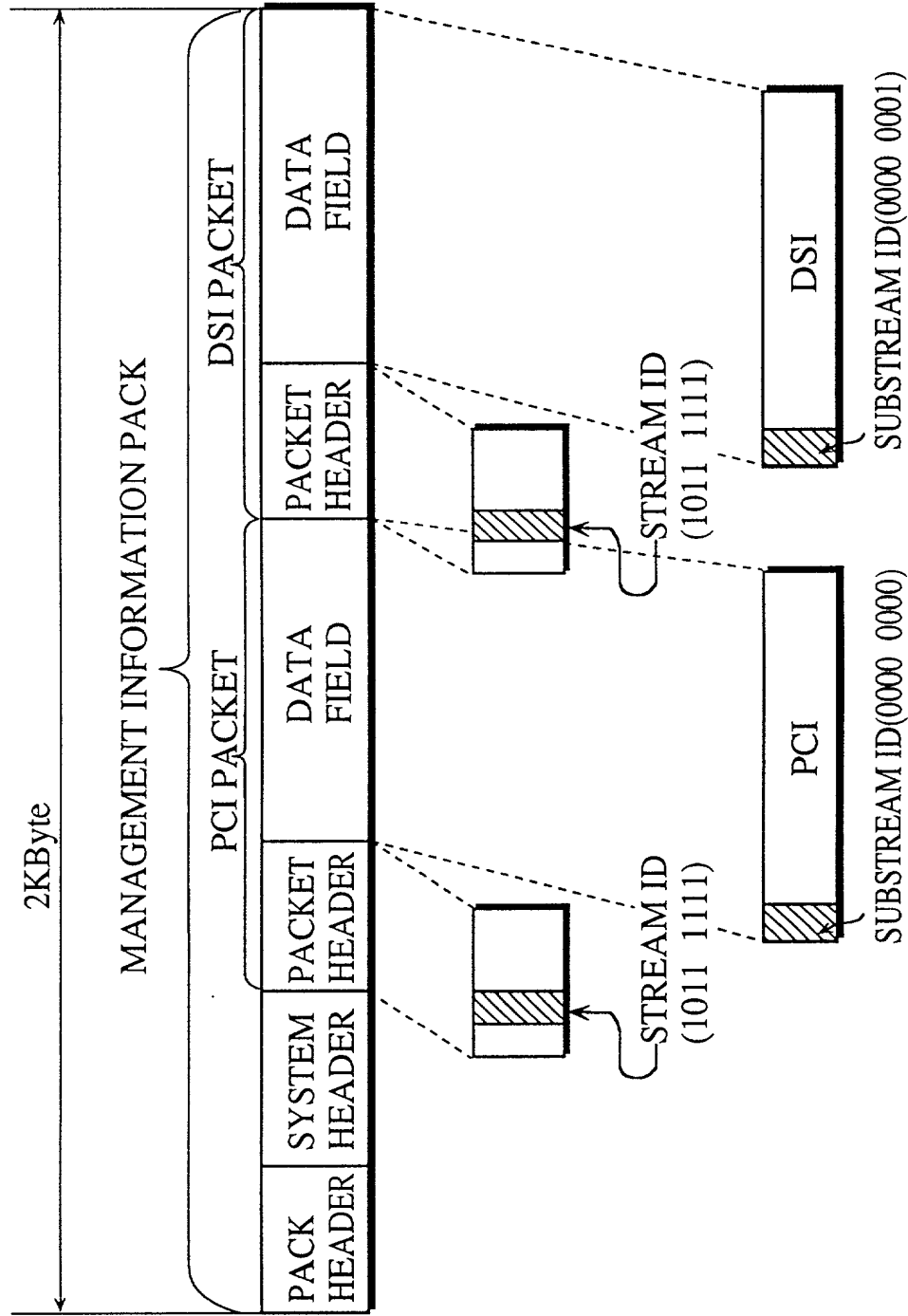


FIG. 8

| VTS MANAGEMENT TABLE | |
|--|---|
| NO. OF TITLE SEARCH POINTERS | |
| VTS INTERNAL TITLE SEARCH POINTER # 1 | VTS INTERNAL TITLE SEARCH POINTER TABLE |
| VTS INTERNAL TITLE SEARCH POINTER # 2 | |
| VTS INTERNAL TITLE SEARCH POINTER # 3 | |
| VTS INTERNAL TITLE SEARCH POINTER # 4 | |
| VTS INTERNAL TITLE SEARCH POINTER # 5 | |
| ⋮ | |
| VTS INTERNAL TITLE SEARCH POINTER # 98 | |
| VTS INTERNAL TITLE SEARCH POINTER # 99 | |
| ⋮ | |
| PGC INFORMATION # 1 | PGC MANAGEMENT INFORMATION TABLE |
| PGC INFORMATION # 2 | |
| PGC INFORMATION # 3 | |
| PGC INFORMATION # 4 | |
| PGC INFORMATION # 5 | |
| PGC INFORMATION # 6 | |
| PGC INFORMATION # 7 | |
| PGC INFORMATION # 8 | |
| ⋮ | |
| PGC INFORMATION # 98 | |
| PGC INFORMATION # 99 | VTS TITLE SET MANAGEMENT INFORMATION |
| ⋮ | |
| VTS TIME SEARCH MAP # 1 | |
| VTS TIME SEARCH MAP # 2 | |
| VTS TIME SEARCH MAP # 3 | |
| VTS TIME SEARCH MAP # 4 | |
| VTS TIME SEARCH MAP # 5 | |
| VTS TIME SEARCH MAP # 6 | |
| VTS TIME SEARCH MAP # 7 | |
| ⋮ | |
| VTS TIME SEARCH MAP # 11 | |
| VTS TIME SEARCH MAP # 12 | |
| ⋮ | |

FIG. 9

VIDEO TITLE SET INTERNAL TITLE SEARCH POINTER TABLE

| | |
|---------------------------------------|--|
| VTs INTERNAL TITLE SEARCH POINTER # 1 | VTs # 1.VTs INTERNAL TITLE # 1 Entry — PGC # 1 |
| VTs INTERNAL TITLE SEARCH POINTER # 2 | VTs # 1.VTs INTERNAL TITLE # 2 Entry — PGC # 2 |
| VTs INTERNAL TITLE SEARCH POINTER # 3 | VTs # 1.VTs INTERNAL TITLE # 3 Entry — PGC # 3 |
| VTs INTERNAL TITLE SEARCH POINTER # 4 | VTs # 1.VTs INTERNAL TITLE # 4 Entry — PGC # 4 |
| VTs INTERNAL TITLE SEARCH POINTER # 5 | VTs # 1.VTs INTERNAL TITLE # 5 Entry — PGC # 5 |
| VTs INTERNAL TITLE SEARCH POINTER # 6 | VTs # 1.VTs INTERNAL TITLE # 6 Entry — PGC # 6 |
| | |

FIG. 10A

| |
|--|
| PGC INFORMATION #1 |
| PGC LINK INFORMATION NULL |
| PGC STANDARD INFORMATION NULL |
| PG MAP |
| PG1(VOB#1) PG2(VOB#3) PG3(VOB#4) |
| VOB POSITION INFORMATION TABLE |
| VOB#1(10min.) VOB#2(50sec.) VOB#3(8min.) VOB#4(48sec.) |
| VOB#21(10min.) VOB#22(50sec.) VOB#23(8min.) VOB#24(48sec.) |
| VOB#31(10min.) VOB#32(50sec.) VOB#33(8min.) VOB#34(48sec.) |
| PGC COMMAND TABLE NULL |
| PGC INFORMATION #2 |
| PGC LINK INFORMATION PGC#13 |
| PGC STANDARD INFORMATION NULL |
| PG MAP NULL |
| VOB POSITION INFORMATION TABLE |
| VOB#1(10min.) VOB#2(5min.) VOB#3(8min.) |
| PGC COMMAND TABLE NULL |
| PGC INFORMATION #3 |
| PGC LINK INFORMATION NULL |
| PGC STANDARD INFORMATION 5Loop Random |
| PG MAP NULL |
| VOB POSITION INFORMATION TABLE |
| VOB#1(10min.) VOB#62(5min.) VOB#3(30sec.) VOB#64(8min.) |
| VOB#5(18min.) VOB#72(5min.) VOB#4(30sec.) VOB#74(8min.) |
| PGC COMMAND TABLE NULL |
| PGC INFORMATION #4 |
| PGC LINK INFORMATION NULL |
| PGC STANDARD INFORMATION 3Loop |
| PG MAP NULL |
| VOB POSITION INFORMATION TABLE |
| VOB#1(10min.) VOB#51(5min.) VOB#2(30sec.) VOB#52(8min.) |
| VOB#5(18min.) VOB#55(5min.) VOB#6(30sec.) VOB#56(8min.) |
| PGC COMMAND TABLE NULL |
| PGC INFORMATION #5 |
| PGC LINK INFORMATION NULL |
| PGC STANDARD INFORMATION NULL |
| PG MAP NULL |
| VOB POSITION INFORMATION TABLE |
| VOB#6(10min.) VOB#8(5min.) VOB#16(8min.) VOB#15(5min.) VOB#16(8min.) |
| PGC COMMAND TABLE |
| CmpRegLink R1,3, "=" ,PGC#15 |
| CmpRegLink R1,4, "=" ,PGC#16 |
| PGC INFORMATION #6 |
| PGC LINK INFORMATION NULL |
| PGC STANDARD INFORMATION NULL |
| PGC MAP NULL |
| VOB POSITION INFORMATION TABLE |
| VOB#17(50sec.) VOB#18(5min.) VOB#19(8min.) |
| PGC COMMAND TABLE TitlePlay Title#5 |

a10

FIG. 10A

FIG. 10B

PGC INFORMATION

| |
|--------------------------------|
| PGC LINK INFORMATION |
| PGC STANDARD INFORMATION |
| PG MAP |
| VOB POSITION INFORMATION TABLE |
| PGC COMMAND TABLE |

FIG. 10C

VOB POSITION INFORMATION TABLE

| | | |
|------------------------------|--------------------|-------------------------------|
| REPRODUCTION TIME OF VOB # 1 | OFFSET FOR VOB # 1 | NO. OF BLOCKS FORMING VOB # 1 |
| REPRODUCTION TIME OF VOB # 2 | OFFSET FOR VOB # 2 | NO. OF BLOCKS FORMING VOB # 2 |
| REPRODUCTION TIME OF VOB # 3 | OFFSET FOR VOB # 3 | NO. OF BLOCKS FORMING VOB # 3 |
| REPRODUCTION TIME OF VOB # 4 | OFFSET FOR VOB # 4 | NO. OF BLOCKS FORMING VOB # 4 |
| REPRODUCTION TIME OF VOB # 5 | OFFSET FOR VOB # 5 | NO. OF BLOCKS FORMING VOB # 5 |
| REPRODUCTION TIME OF VOB # 6 | OFFSET FOR VOB # 6 | NO. OF BLOCKS FORMING VOB # 6 |
| REPRODUCTION TIME OF VOB # 7 | OFFSET FOR VOB # 7 | NO. OF BLOCKS FORMING VOB # 7 |
| REPRODUCTION TIME OF VOB # 8 | OFFSET FOR VOB # 8 | NO. OF BLOCKS FORMING VOB # 8 |
| | : | |

FIG. 11

(Video_Manager)

| |
|---|
| VM MANAGEMENT TABLE |
| VM INTERNAL TITLE SEARCH POINTER TABLE |
| NO. OF TITLE SEARCH POINTERS |
| VM INTERNAL TITLE SEARCH POINTER # 1 |
| VM INTERNAL TITLE SEARCH POINTER # 2 |
| VM INTERNAL TITLE SEARCH POINTER # 3 |
| VM INTERNAL TITLE SEARCH POINTER # 4 |
| VM INTERNAL TITLE SEARCH POINTER # 5 |
| VM INTERNAL TITLE SEARCH POINTER # 6 |
| VM INTERNAL TITLE SEARCH POINTER # 7 |
| VM INTERNAL TITLE SEARCH POINTER # 8 |
| ⋮ |
| VM INTERNAL TITLE SEARCH POINTER # 98 |
| VM INTERNAL TITLE SEARCH POINTER # 99 |
| PGC INFORMATION # 1_For_Menu |
| PGC LINK INFORMATION PGC# 1 |
| PGC STANDARD INFORMATION NULL |
| PG MAP NULL |
| VOB POSITION INFORMATION TABLE VOB# 1_For_Menu |
| PGC COMMAND TABLE NULL |
| VOB# 1_For_Menu |
| MANAGEMENT INFORMATION PACK(PLURALITY OF TitlePlay) |
| SUB-PICTURE(CHARACTER STRINGS FOR TITLE NAMES) |
| MAIN IMAGE(BACKGROUND IMAGE) |

FIG. 12

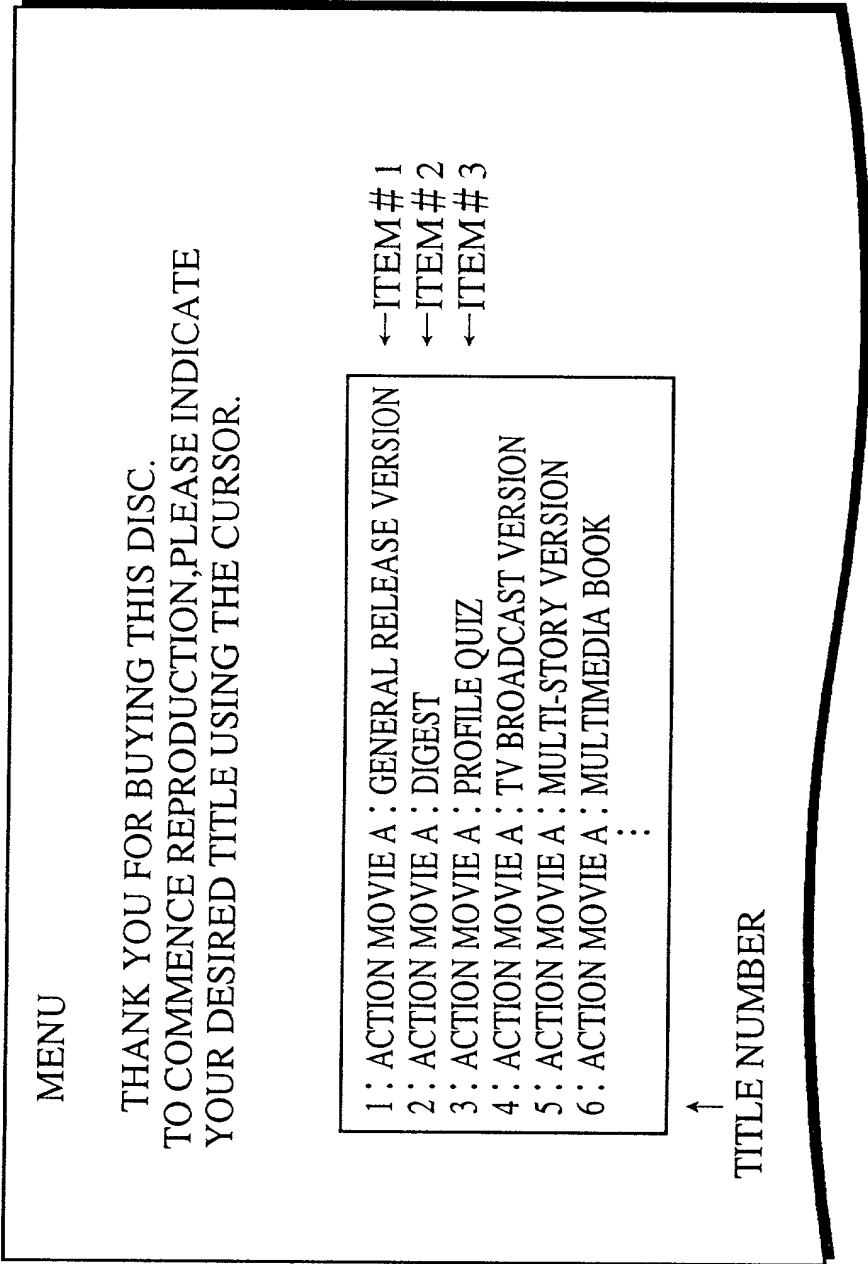


FIG. 13

MANAGEMENT INFORMATION PACK · HIGHLIGHT INFORMATION

| | |
|----------------------|--------------------------|
| ITEM INFORMATION # 1 | PALETTE CONVERSION RANGE |
| | Title Play Title # 1 |
| ITEM INFORMATION # 2 | PALETTE CONVERSION RANGE |
| | Title Play Title # 2 |
| ITEM INFORMATION # 3 | PALETTE CONVERSION RANGE |
| | Title Play Title # 3 |
| ITEM INFORMATION # 4 | PALETTE CONVERSION RANGE |
| | Title Play Title # 4 |
| ITEM INFORMATION # 5 | PALETTE CONVERSION RANGE |
| | Title Play Title # 5 |
| ITEM INFORMATION # 6 | PALETTE CONVERSION RANGE |
| | Title Play Title # 6 |
| | |

FIG. 14

VIDEO MANAGER INTERNAL TITLE SEARCH POINTER TABLE

| | al41 SEQUENTIAL SINGLE PGC IDENTIFICATION FLAG | al42 NO BRANCH FLAG | al43 NO BRANCH BETWEEN TITLES FLAG | TITLE SET NUMBER | VTS INTERNAL TITLE NUMBER |
|--------------------------|--|---------------------------|---|---------------------|------------------------------|
| TITLE SEARCH POINTER # 1 | ON | ON | ON | TitleSet # 1 | Title # 1 |
| TITLE SEARCH POINTER # 2 | OFF | OFF | ON | TitleSet # 1 | Title # 2 |
| TITLE SEARCH POINTER # 3 | OFF | OFF | ON | TitleSet # 1 | Title # 3 |
| TITLE SEARCH POINTER # 4 | OFF | OFF | OFF | TitleSet # 1 | Title # 4 |
| TITLE SEARCH POINTER # 5 | OFF | OFF | ON | TitleSet # 1 | Title # 5 |
| TITLE SEARCH POINTER # 6 | OFF | OFF | OFF | TitleSet # 1 | Title # 6 |
| TITLE SEARCH POINTER # 7 | OFF | OFF | ON | TitleSet # 2 | Title # 1 |
| TITLE SEARCH POINTER # 8 | OFF | OFF | ON | TitleSet # 2 | Title # 2 |
| TITLE SEARCH POINTER # 9 | OFF | OFF | ON | TitleSet # 2 | Title # 3 |

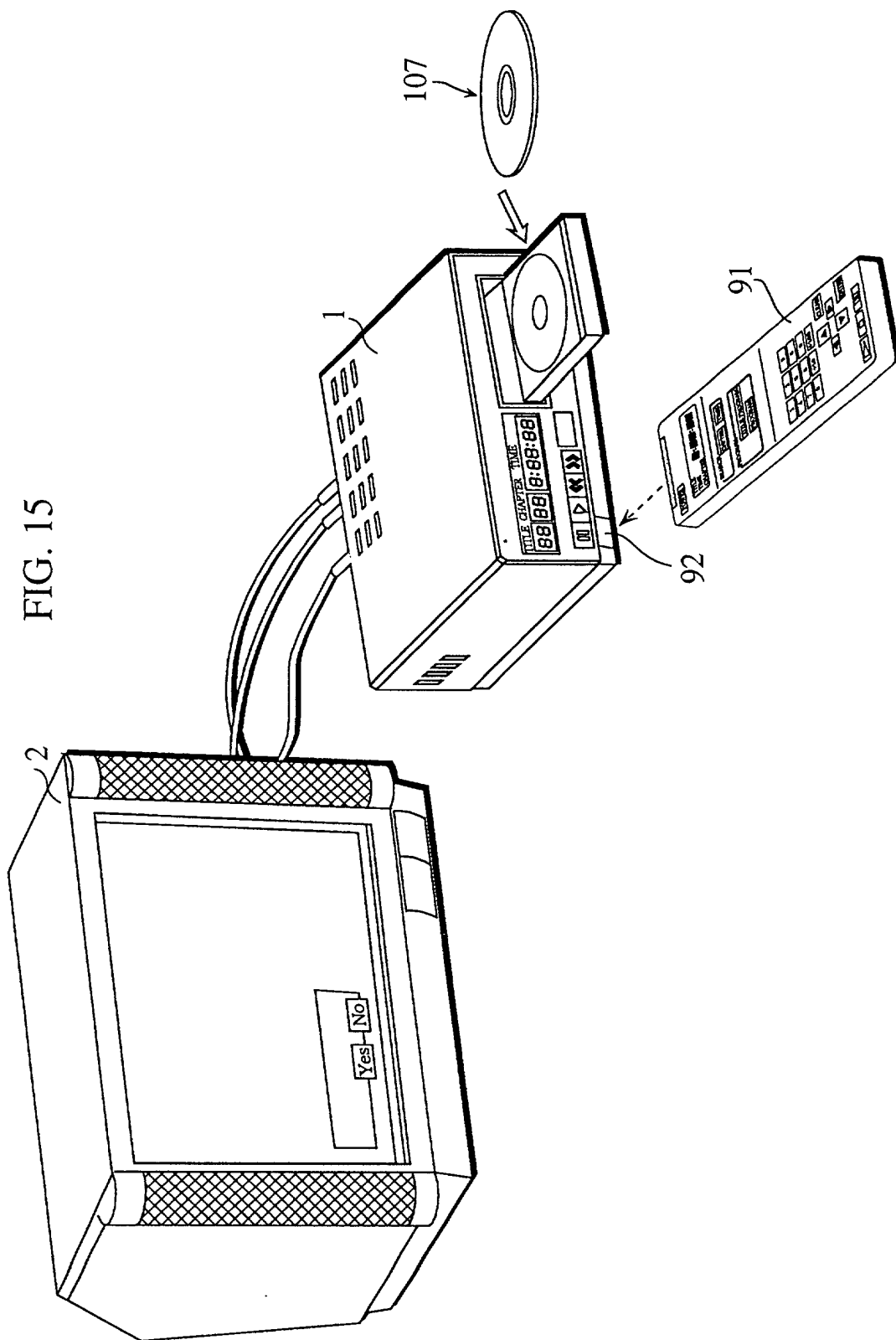


FIG. 16

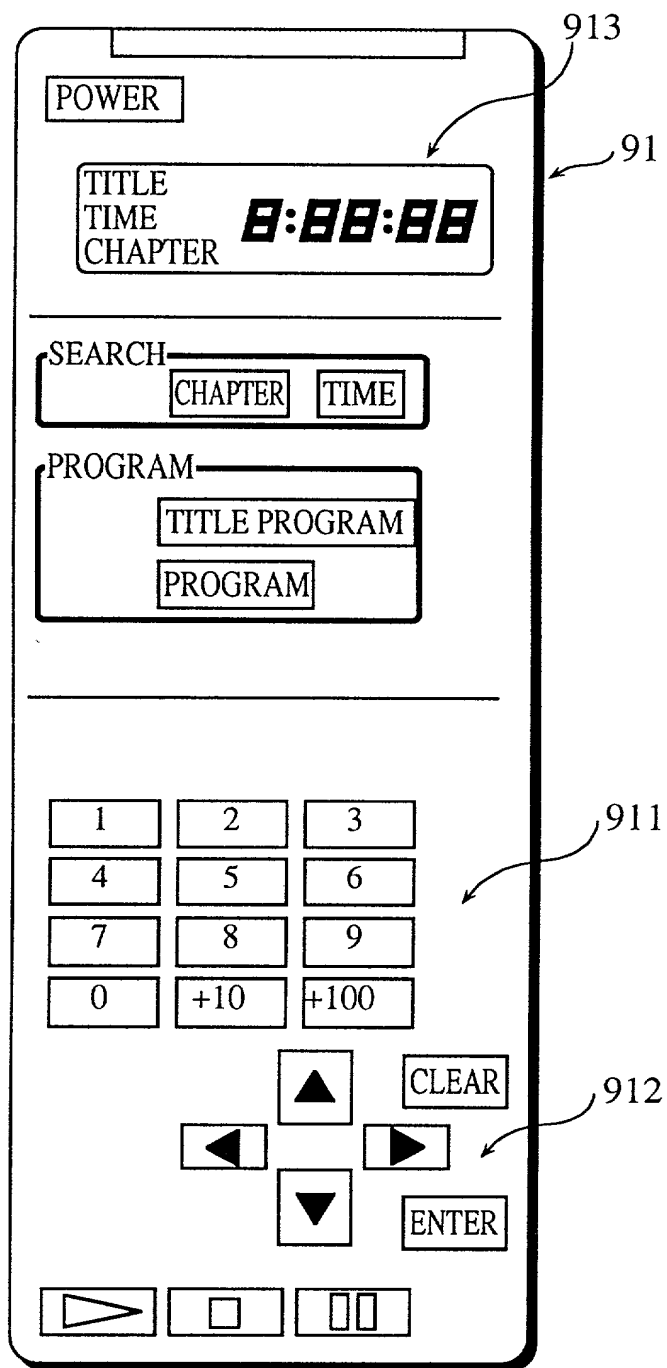


FIG. 17

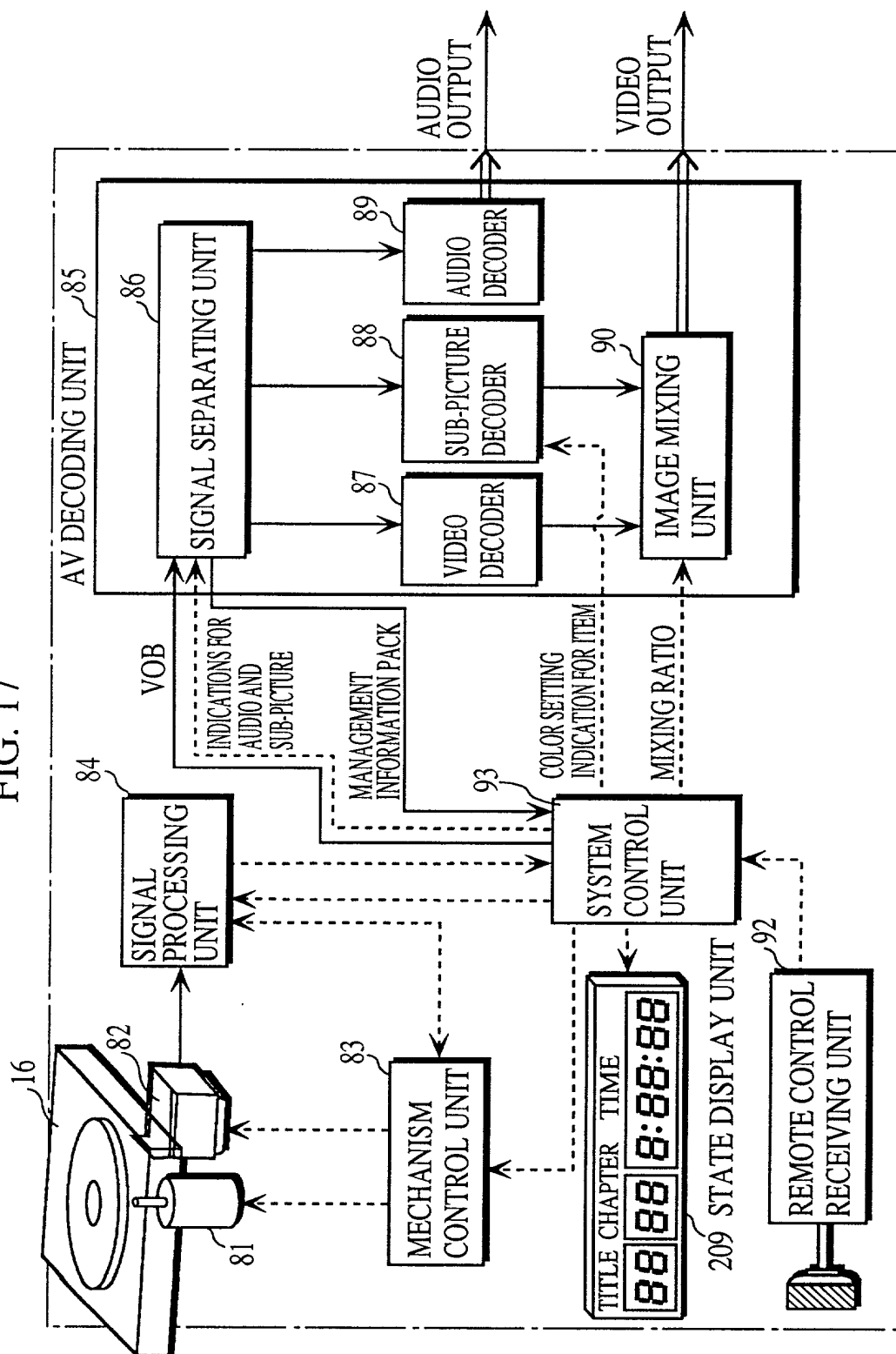
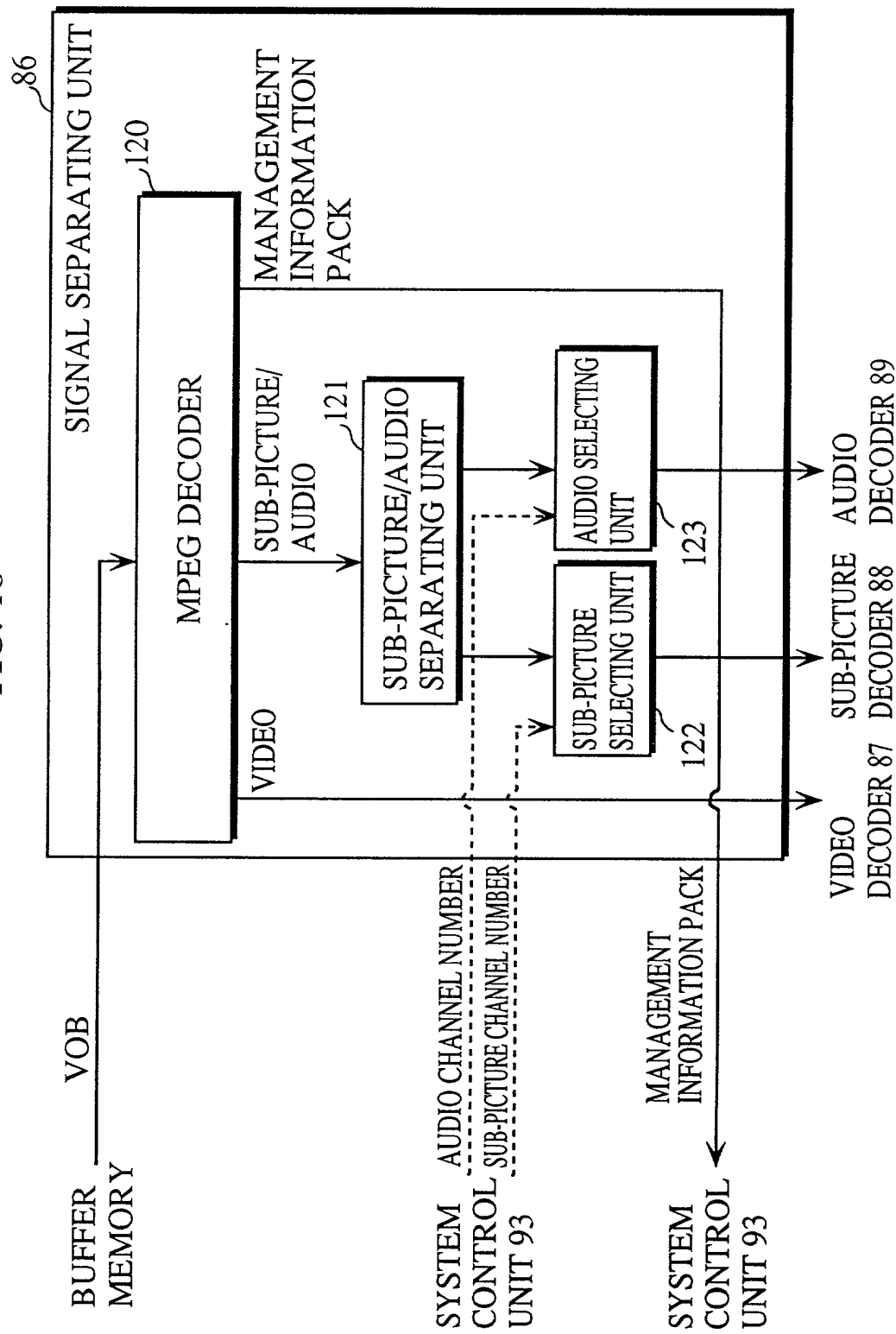


FIG. 18



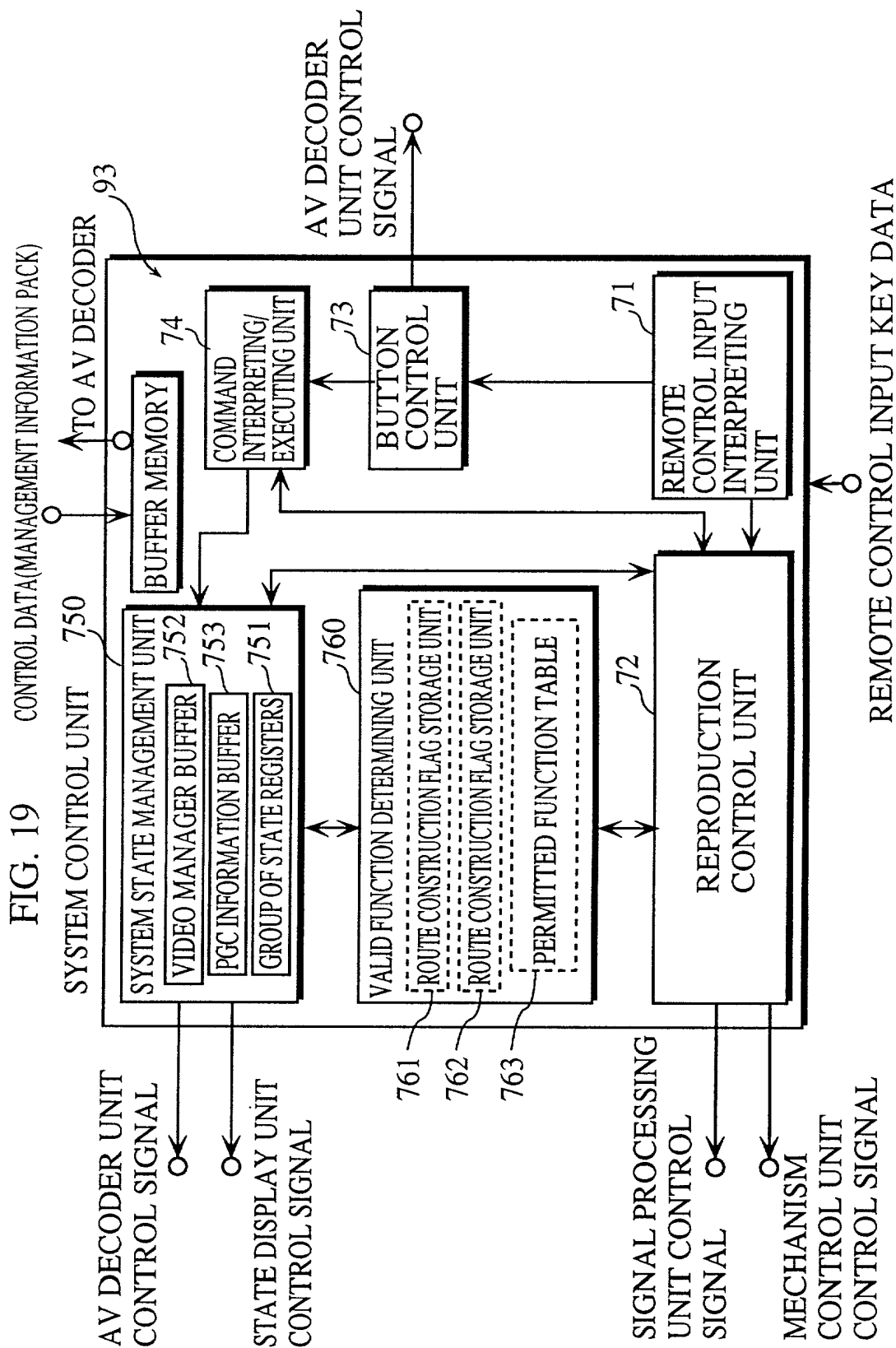


FIG. 20

| FUNCTION | PERMISSION CONDITION | | |
|---------------------------------------|----------------------------|----------------|-------------------------------|
| | SEQUENTIAL SINGLE PGC FLAG | NO BRANCH FLAG | NO BRANCH BETWEEN TITLES FLAG |
| CHAPTER NUMBER DISPLAY | ON | ON | — |
| REPRODUCTION PROGRESSION TIME DISPLAY | ON | ON | — |
| CHAPTER NUMBER SEARCH | ON | ON | — |
| TIME SEARCH | ON | ON | — |
| CHAPTER PROGRAMMING FUNCTION | ON | ON | — |
| TITLE PROGRAMMING FUNCTION | ON | — | ON |

FIG. 21A

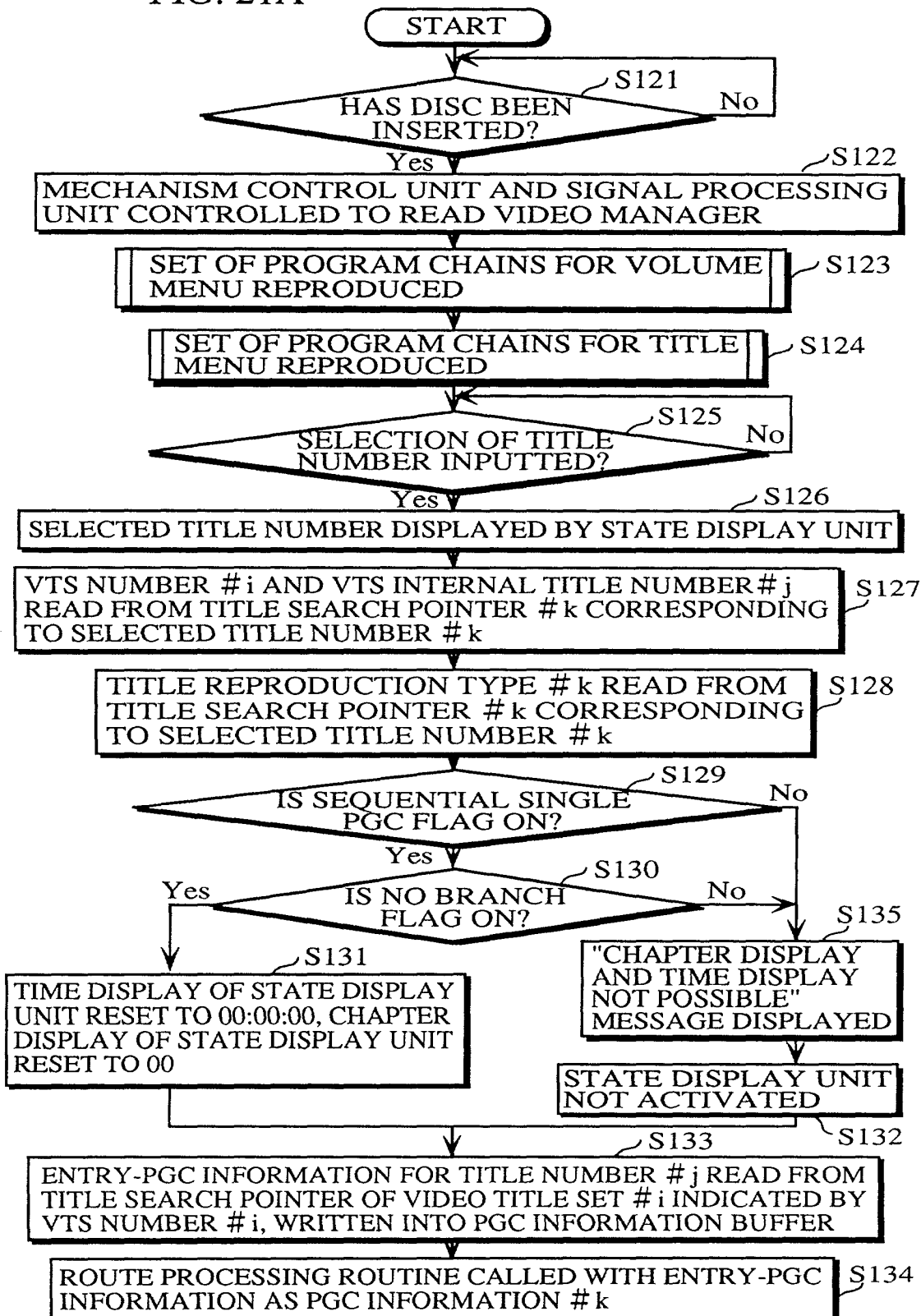


FIG. 21B

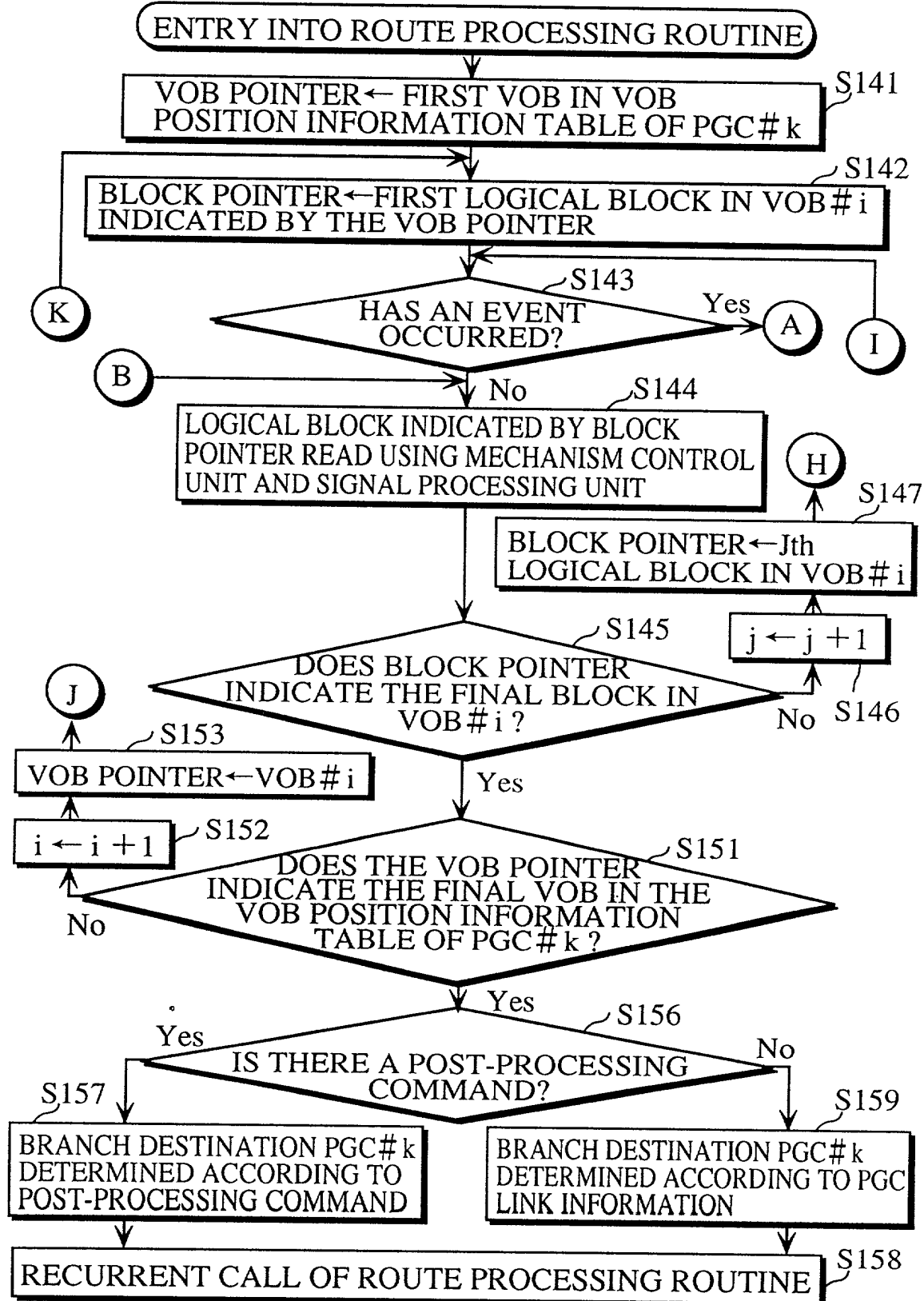


FIG. 21C

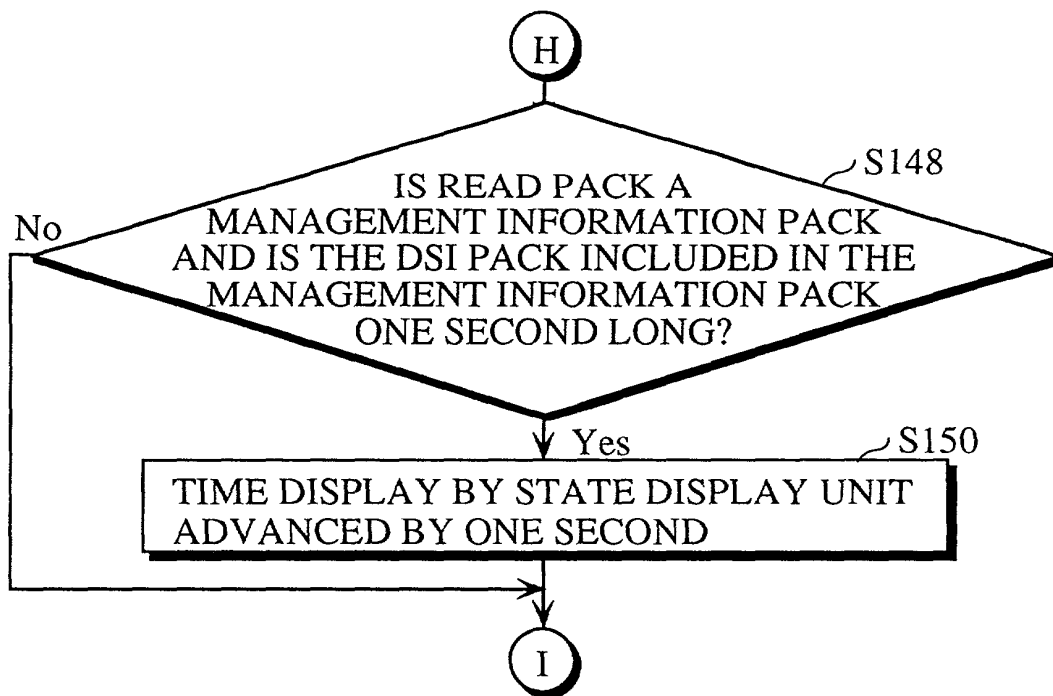


FIG. 21D

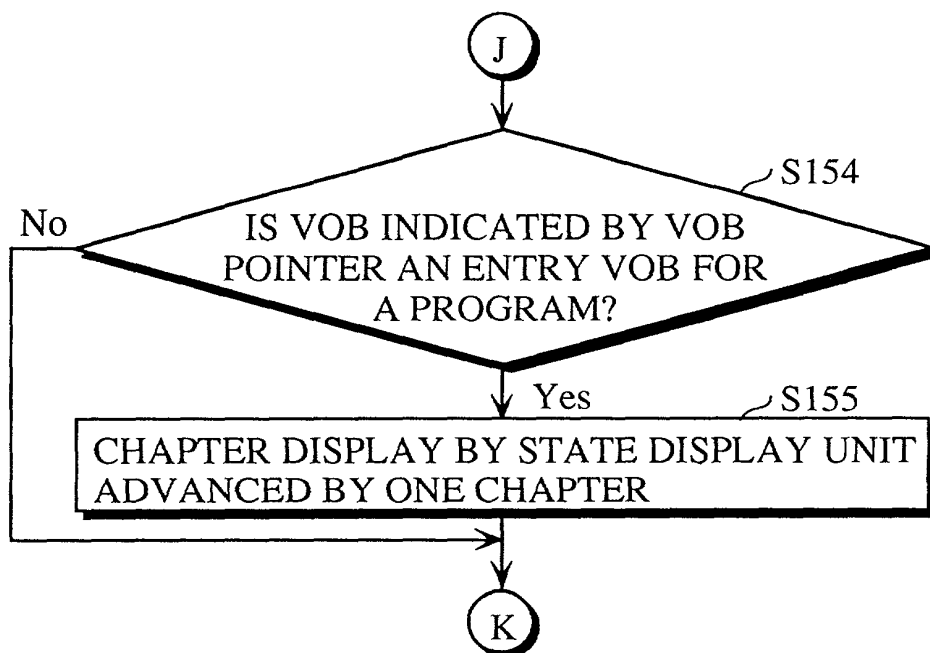


FIG. 22A

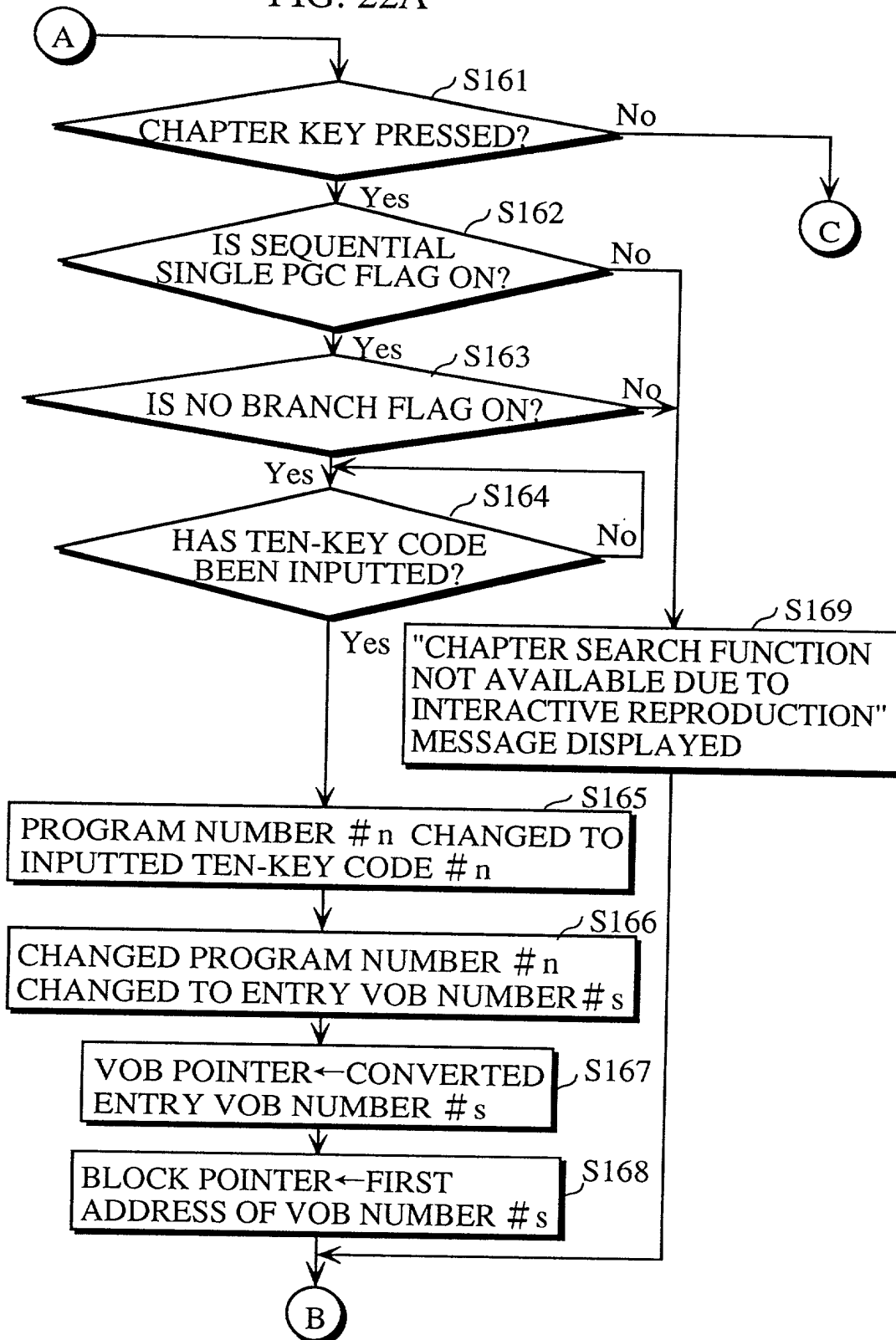


FIG. 22B

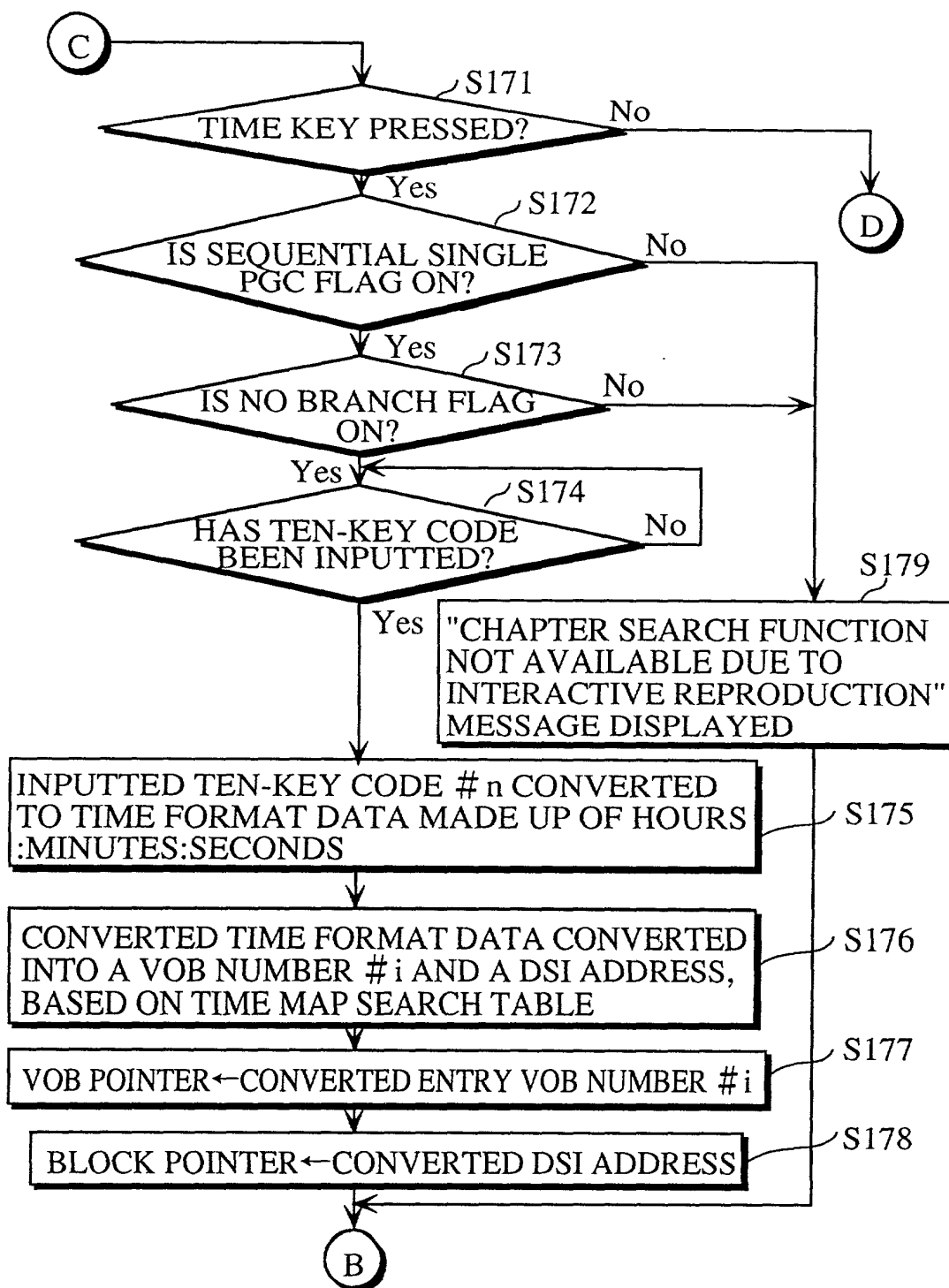


FIG. 22C

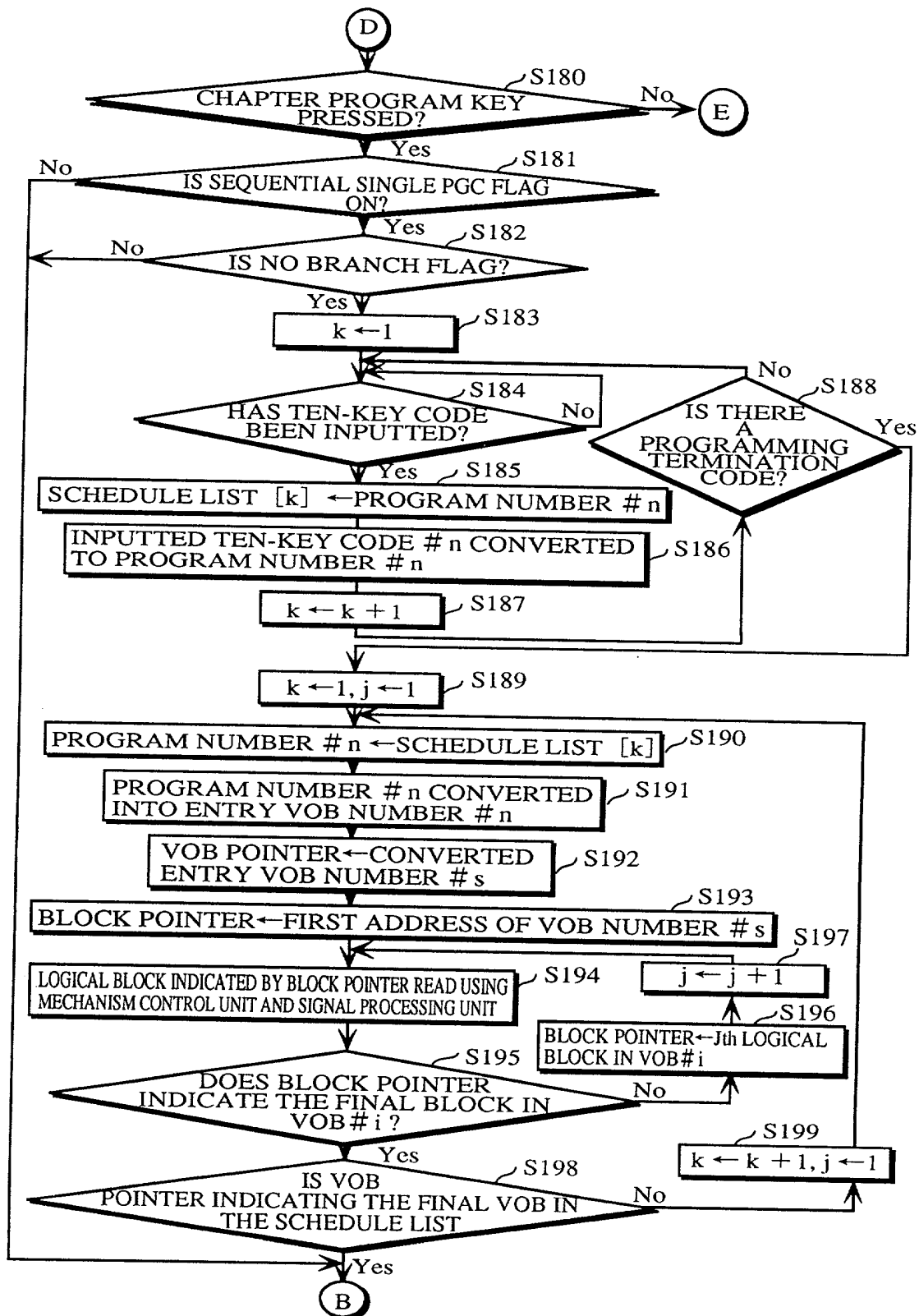


FIG. 22D

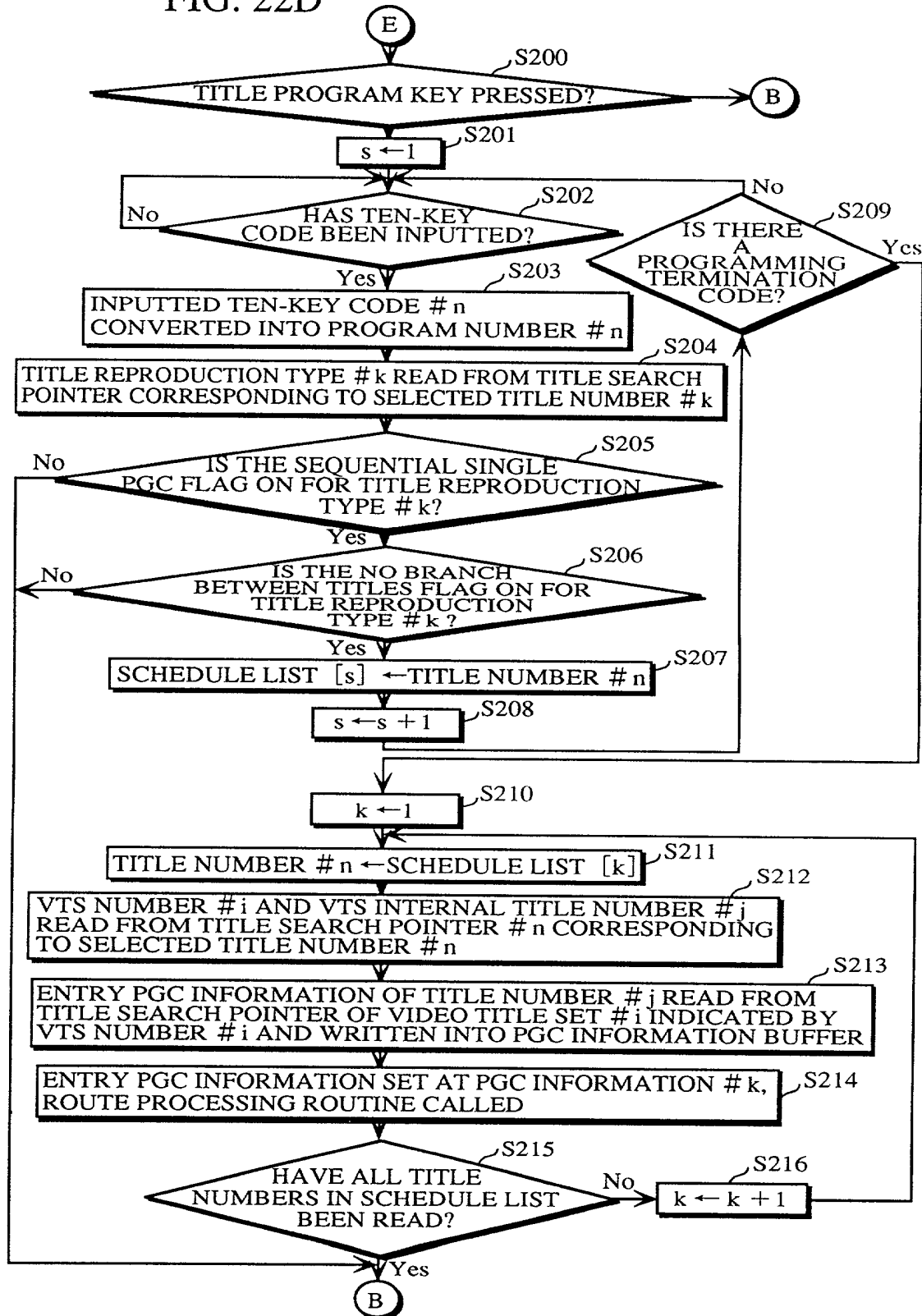


FIG. 23

| FIRST FLAG | SECOND FLAG | THIRD FLAG | FOURTH FLAG |
|-----------------------------|------------------------|------------------------|--------------------------|
| ↓ | ↓ | ↓ | ↓ |
| SINGLE ROUTE INFORMATION | NO LOOP INFORMATION | NO AUTOMATIC BRANCH | NO INTERACTIVE BRANCH |
| ON | OFF | OFF | OFF |